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(51) INT CL<sup>5</sup>

G06F 3/033

(52) UK CL (Edition M )

G4H HTAT H1A H13D H14A H14D

H4T TBLM TCHA TCJA T109 T121 T122 T126 T128  
T130 T143

(56) Documents Cited

GB 2199169 A GB 2193827 A EP 0302498 A2  
US 5025382 A

(58) Field of Search

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INT CL<sup>5</sup> G06F

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United Kingdom

## (54) A user interface system

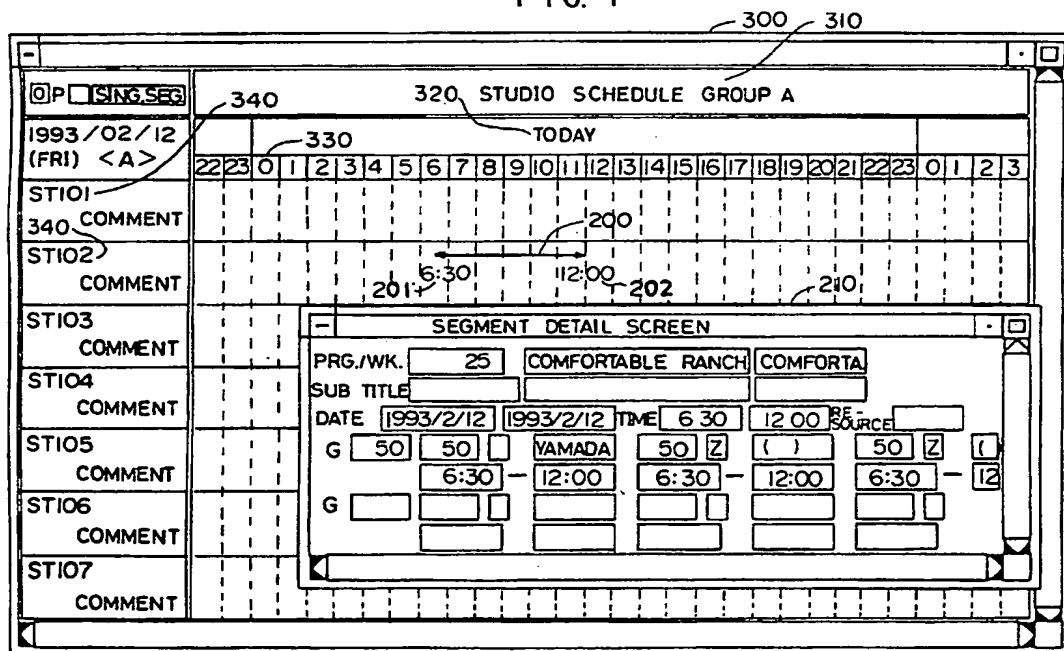
(57) The user interface system inputs a segment 200 by pointing out positions of the display screen with a mouse. The segment has a position and a length to indicate hours or days. The segment editor displays the segment according to the length which is designated by the mouse. The database entry stores the data indicated by the position and the length of the segment as entered data. Additional information for the displayed segment can also be entered.

An area of data which is too long in one direction can be split and displayed in sections in the orthogonal direction.

Data in one window may be repeated in another, sometimes with a different scale.

A number of data items can be scrolled through respective fields simultaneously.

FIG. 7



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FIG. 1

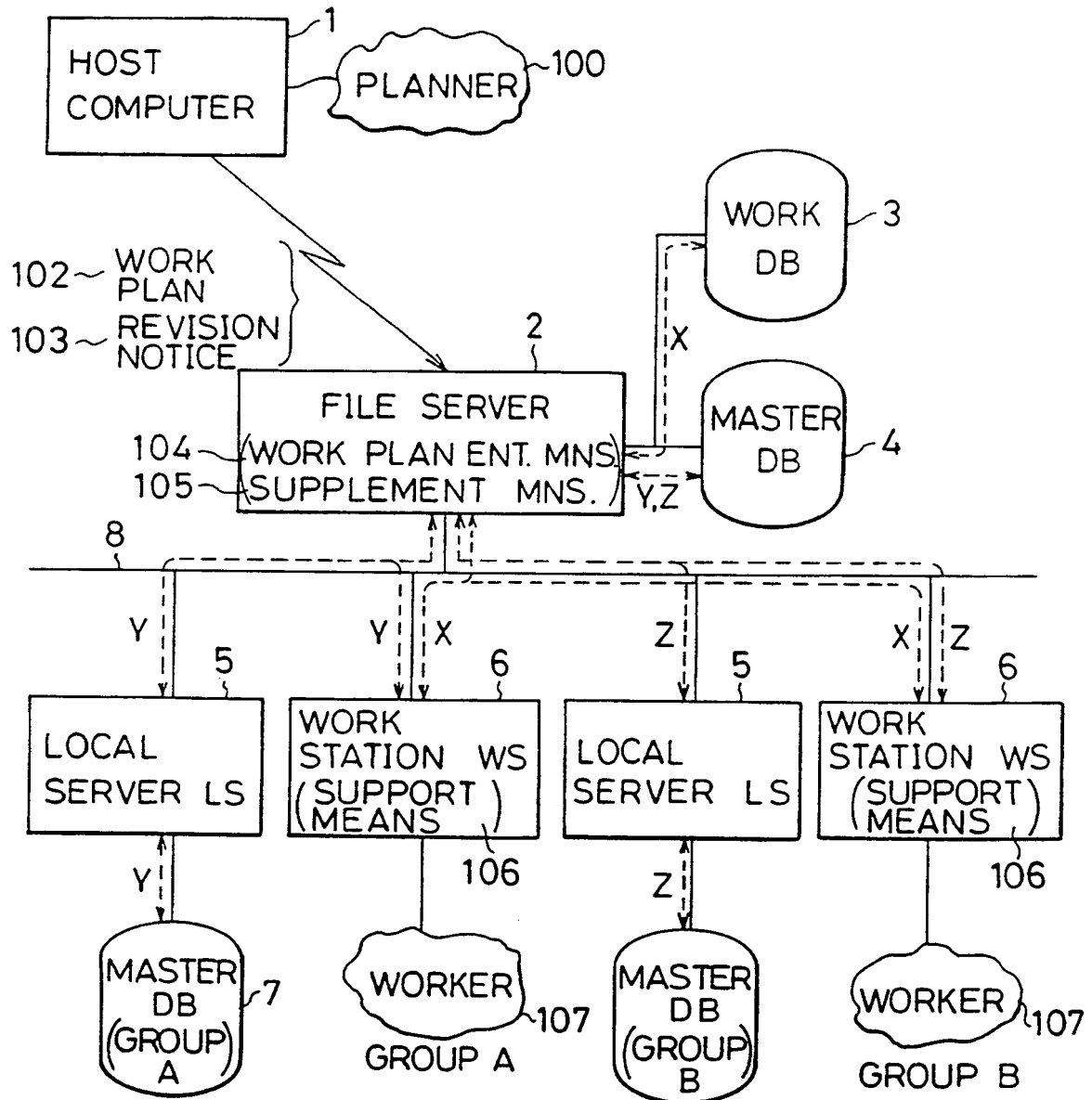


FIG. 2

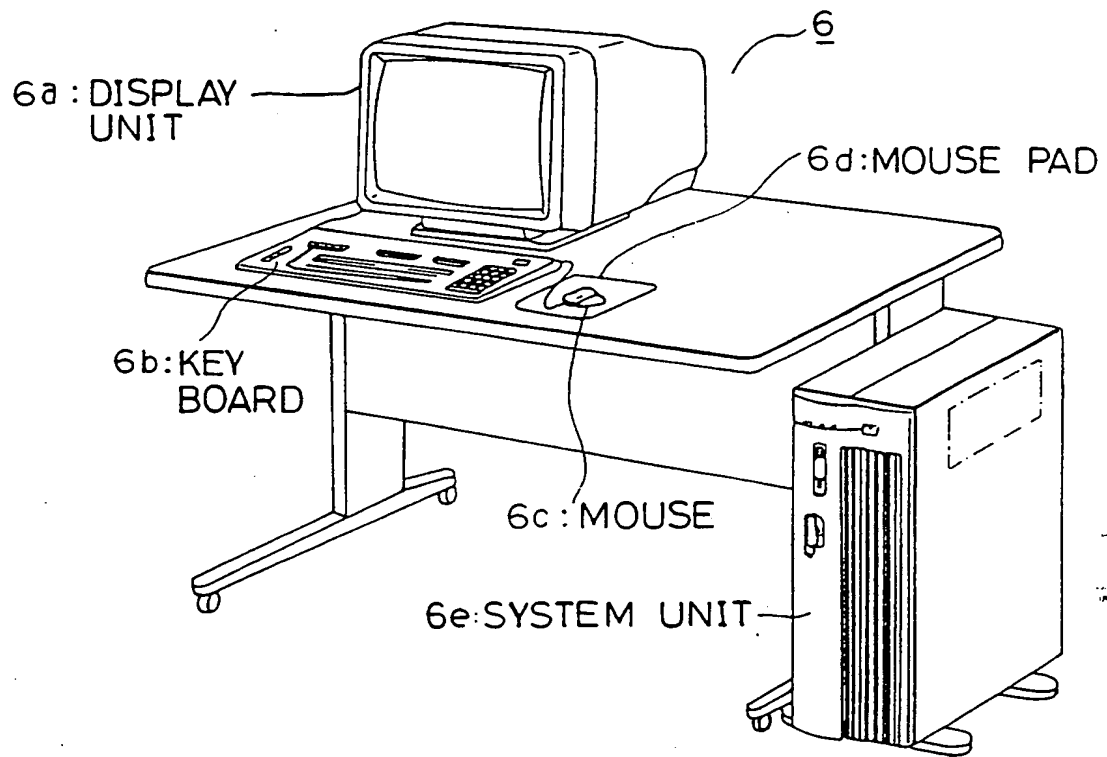


FIG. 3

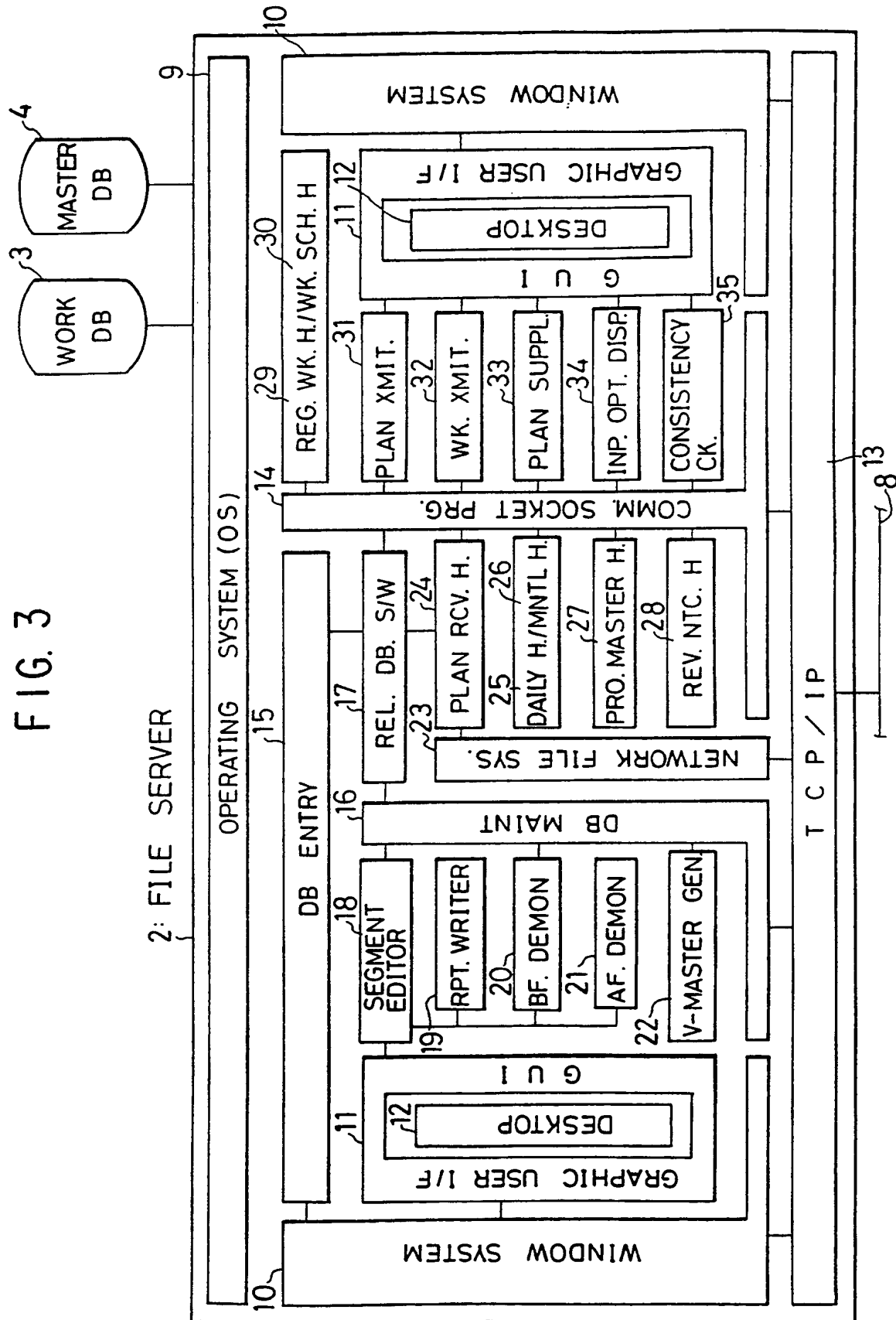


FIG. 4

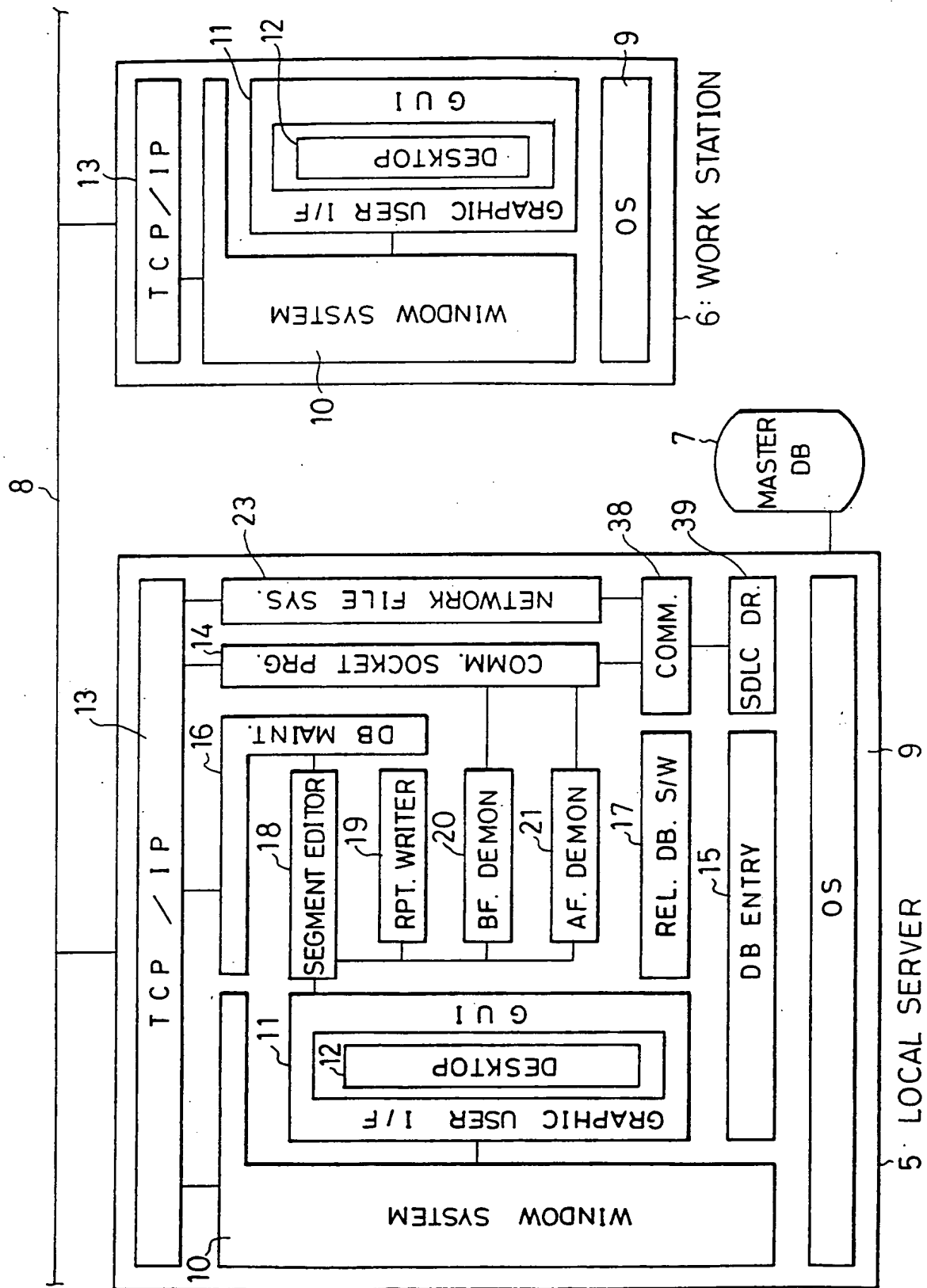
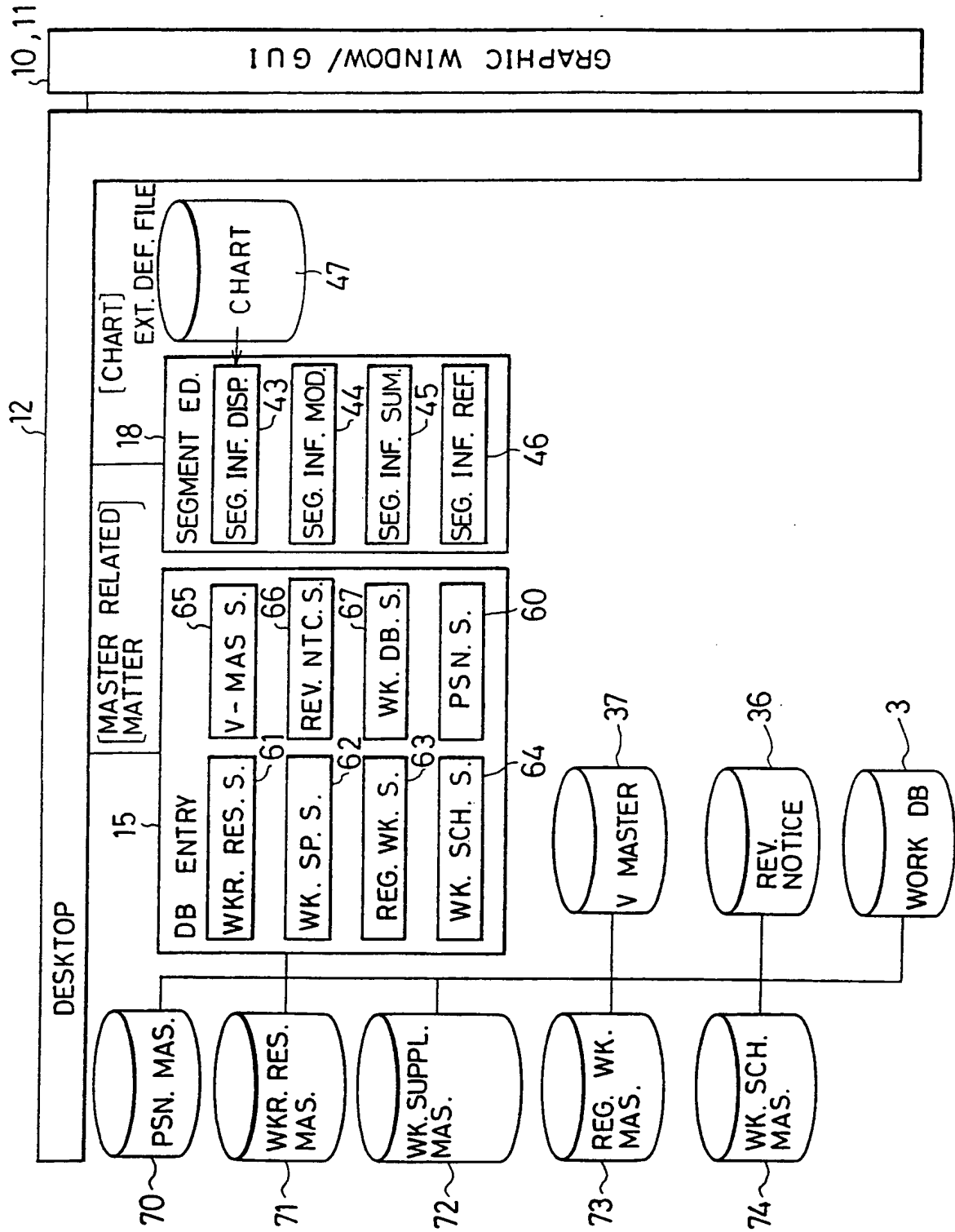


FIG. 5



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FIG. 6

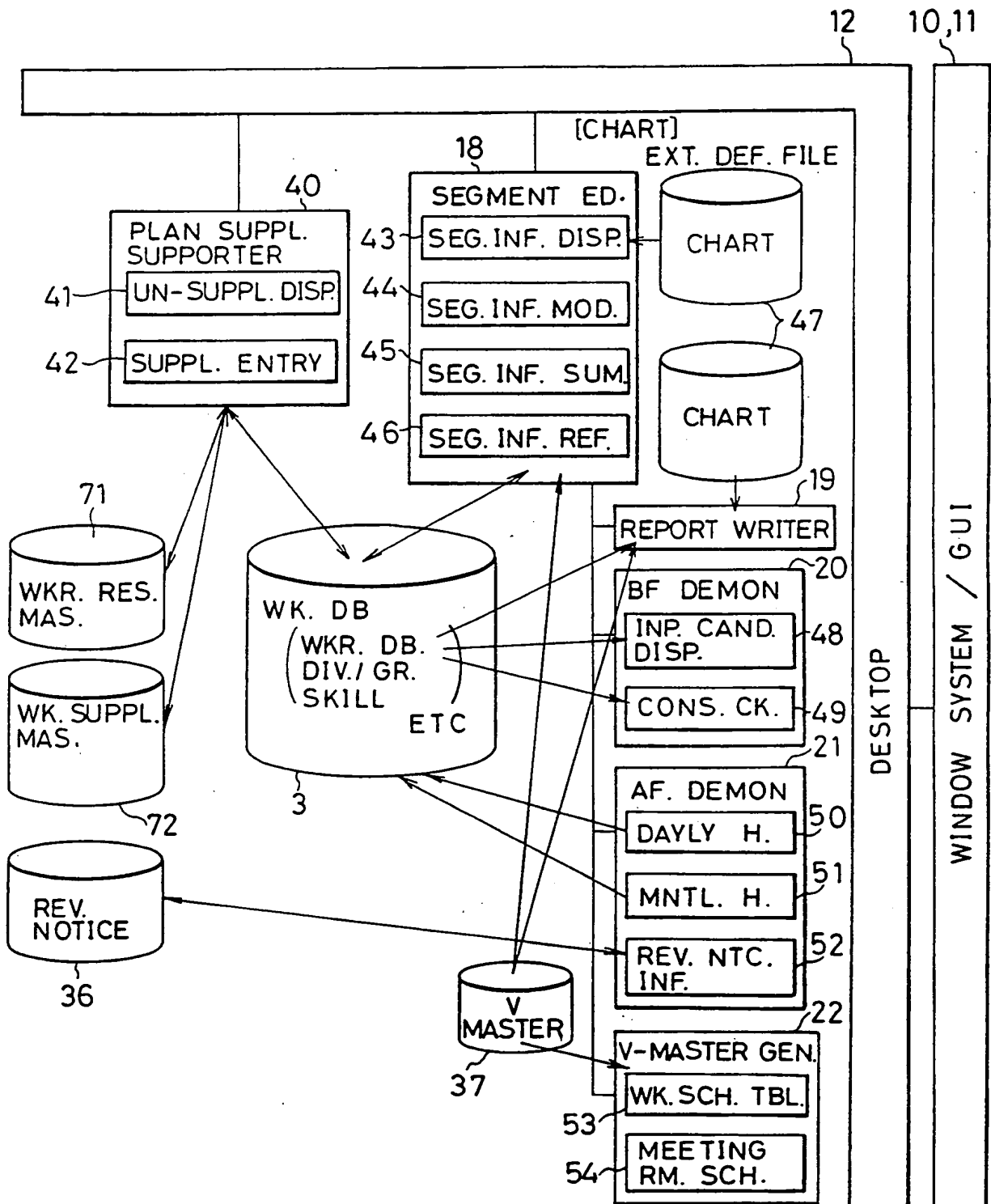






FIG. 8(a)

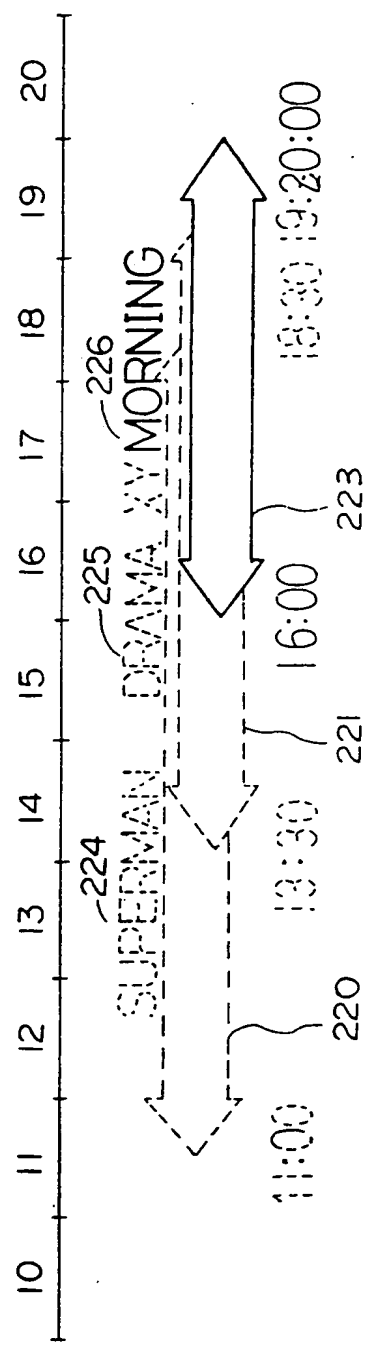
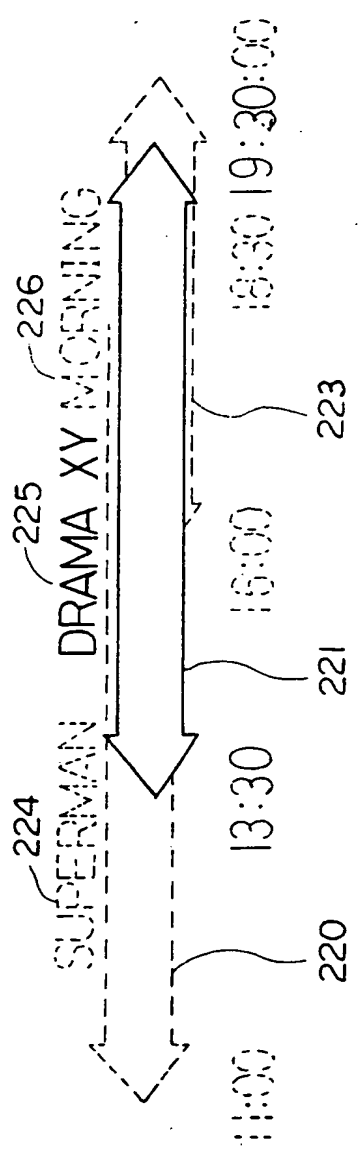


FIG. 8(b)



MULTI-ROW DISPLAY (A ROW IN UPPER CHART IS EXPANDED TO THREE ROWS IN LOWER CHART.)

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FIG. 10(a)

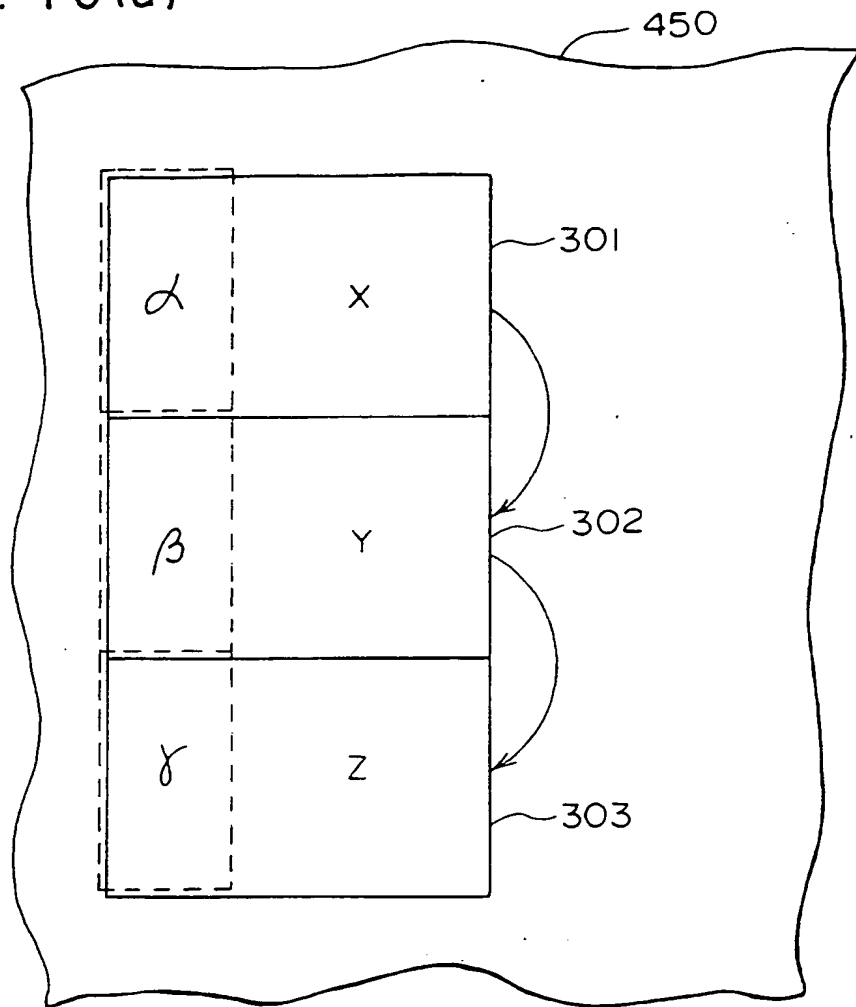
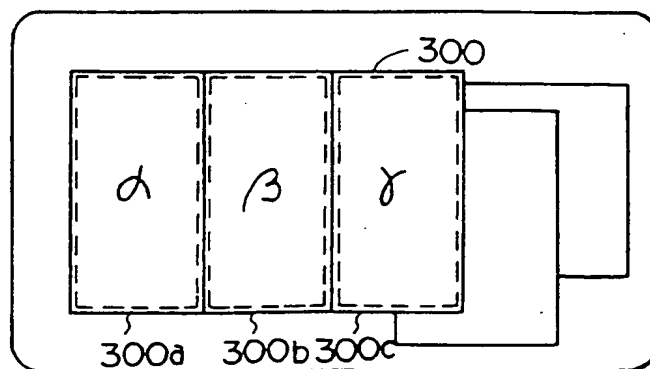


FIG. 10(b)



# FIG. 11

VERTICAL SEGMENT DISPLAY

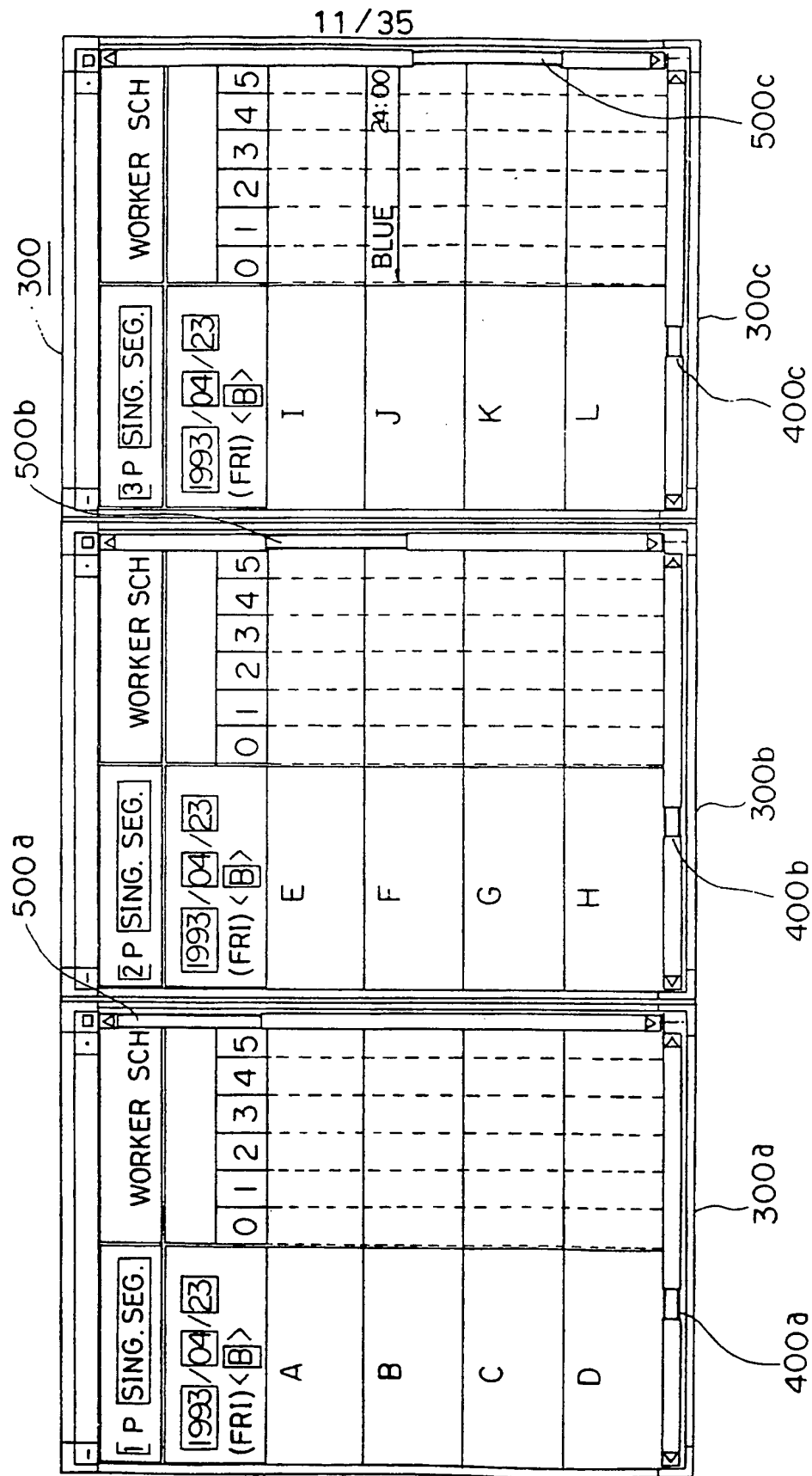


FIG. 12

VERTICAL SEGMENT DISPLAY THREE CHARTS SYNCHRONOUSLY BY  
SLIDING ONE OF SCROLL BARS DISPLAYED AT THE BOTTOM OF THE CHARTS.

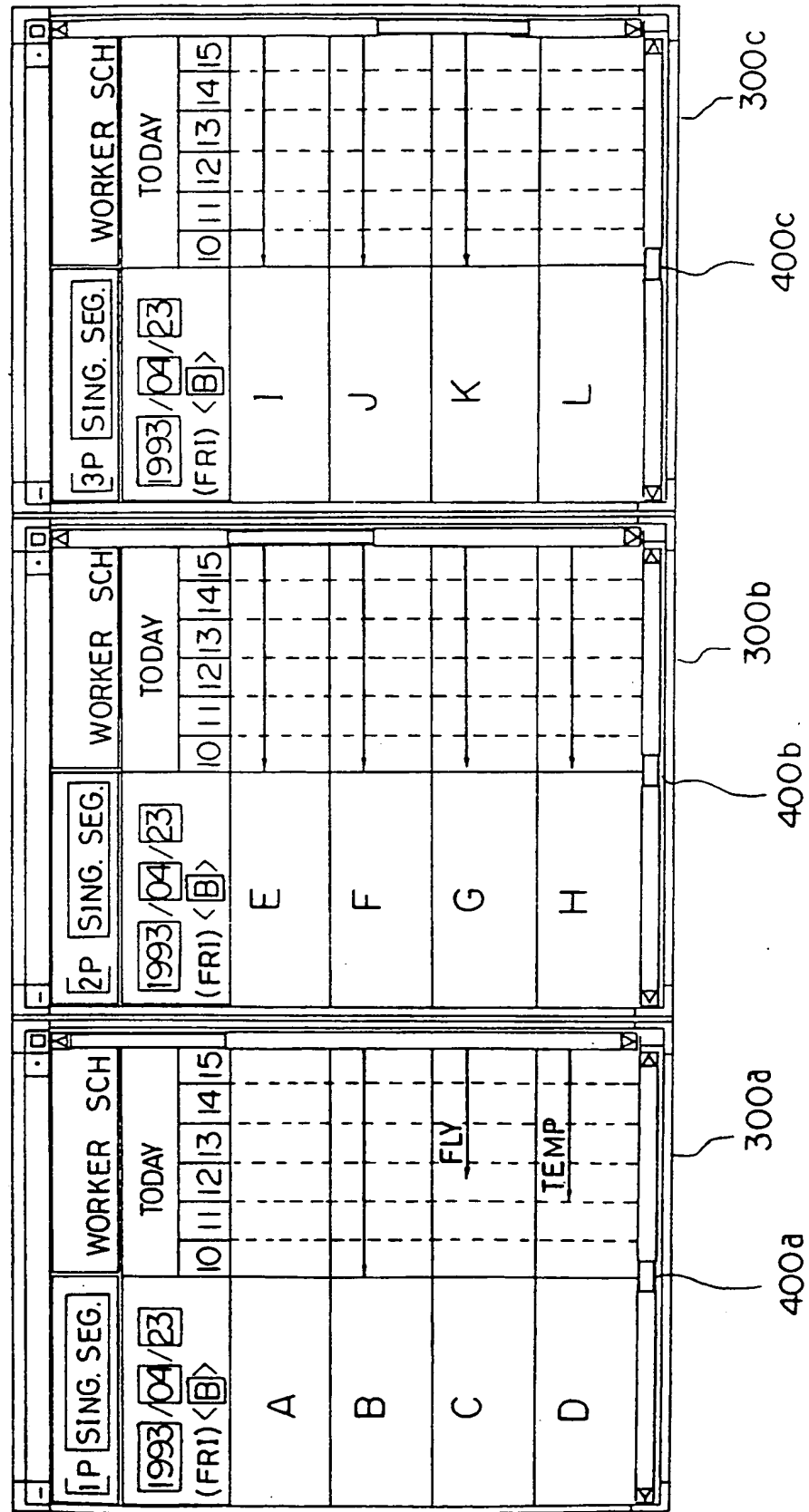


FIG. 13

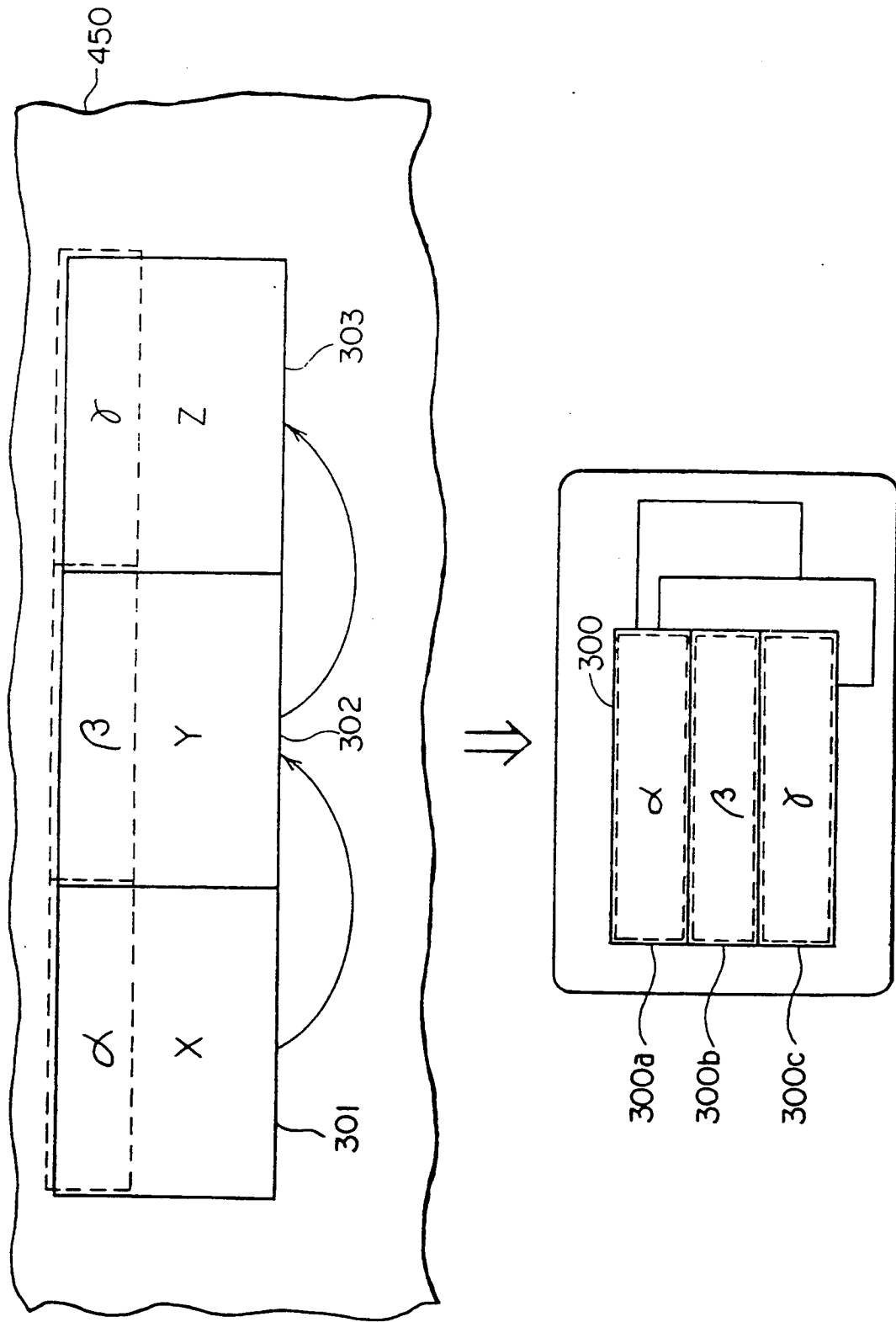
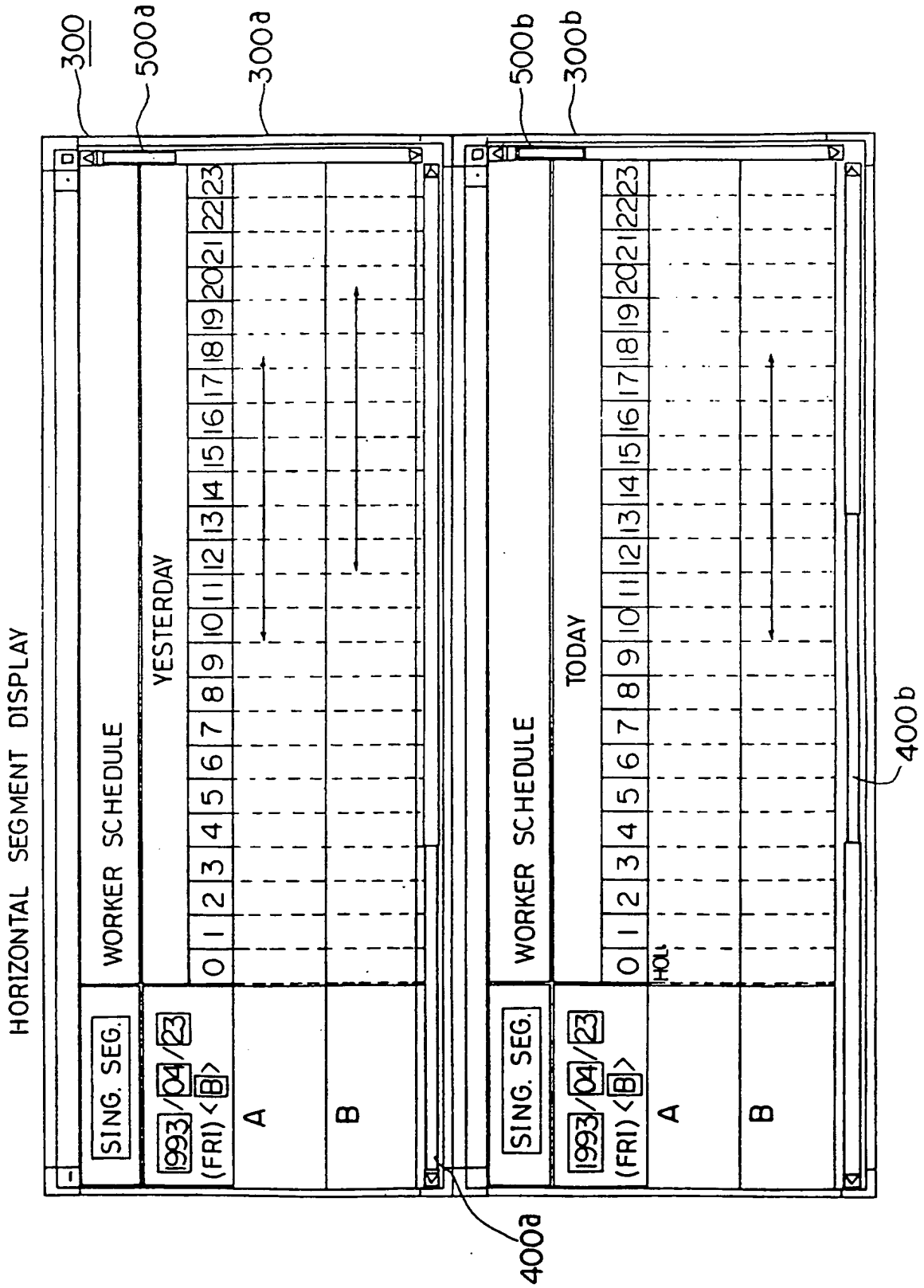


FIG. 14



# FIG. 15

SCALE ENLARGEMENT

SING. SEG.		WORKER SCHEDULE																											
A	1993/04/23 (FRI)<B>	YESTERDAY																											
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3
HOL																													

SING. SEG.		WORKER SCHEDULE																
A	1993/04/23 (FRI)<B>																	
		9	10	11	12	13	14	15	16	17								
B																		
		<div>18:30</div> <div>200</div> <div>201</div> <div>226</div> <div>MORNING</div> <div>19:50</div> <div>228</div> <div>228</div>																
C																		
		<div>11:00</div> <div>227</div> <div>13:35</div> <div>228</div> <div>202</div>																
D																		
		<div>00:00</div> <div>00:00</div>																



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FIG. 16(a)

MONTHLY CHART — DAILY CHART

SING. SEG.	WORK SCHEDULE																	
1993/04/23 (FRI) <B>	TODAY																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
C																		
A																		
E																		

EDITOR D. (from 10 to 18)

DRAMA SP. TV ST. CT105 (from 11 to 14)

V (from 10 to 18)

FIG. 16(b)

SING. SEG.														
1993/04	17	18	19	20	21	22	23	24	25	26	27	28	29	
	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	
	A	B	B	B	B	B	B	B	C	C	C	C	C	
C														
A														

EDITOR D. (from 23 to 24)

DRAMA SP. (from 23 to 24)

FIG. 17

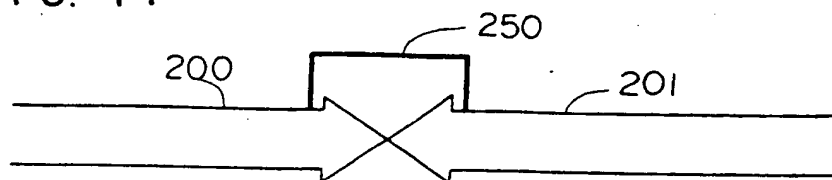


FIG. 18(a)

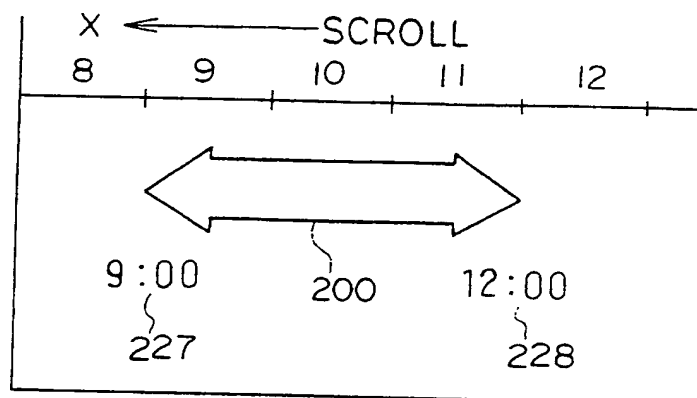


FIG. 18(b)

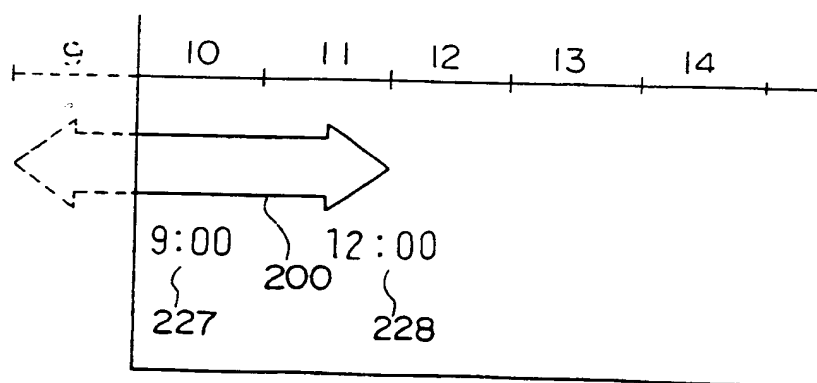


FIG. 19

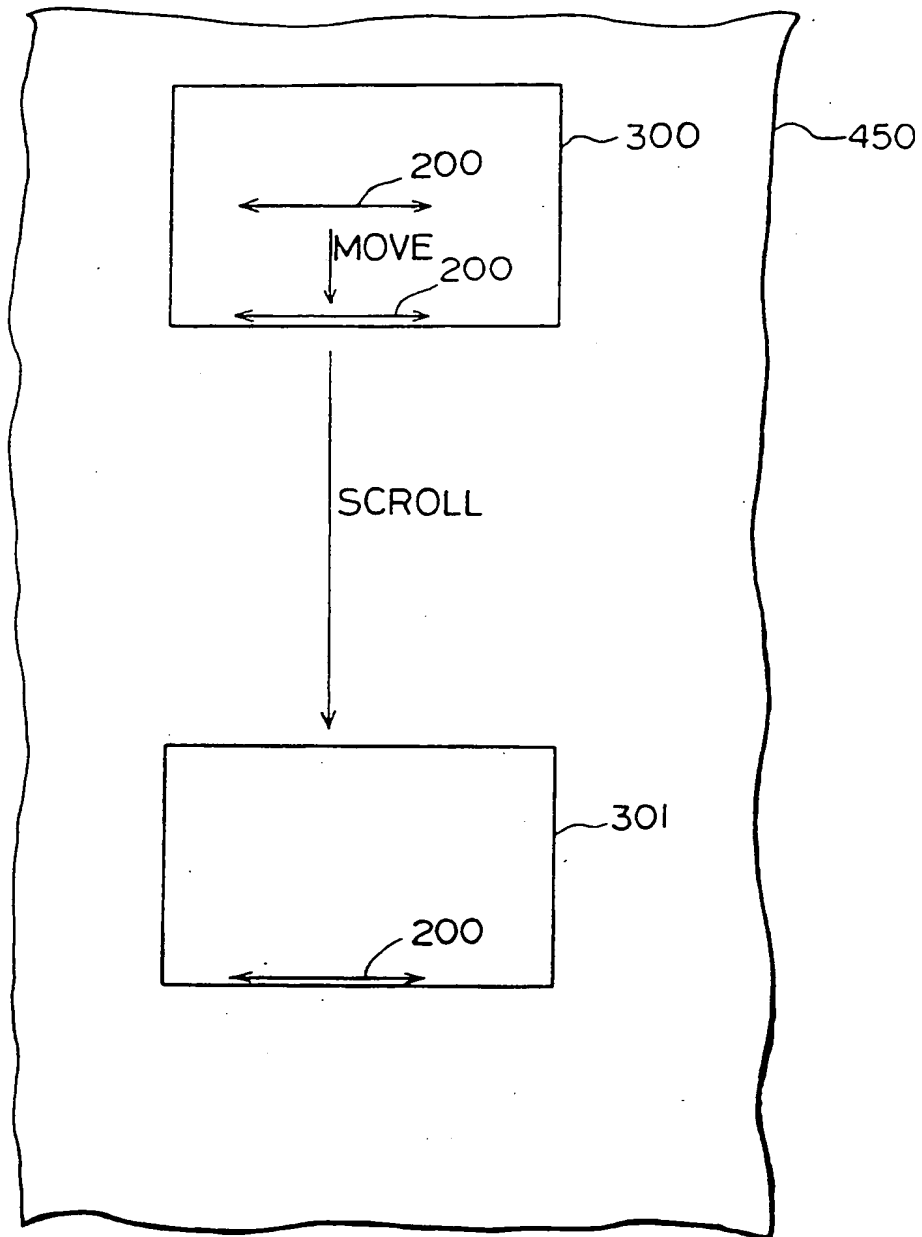


FIG. 20

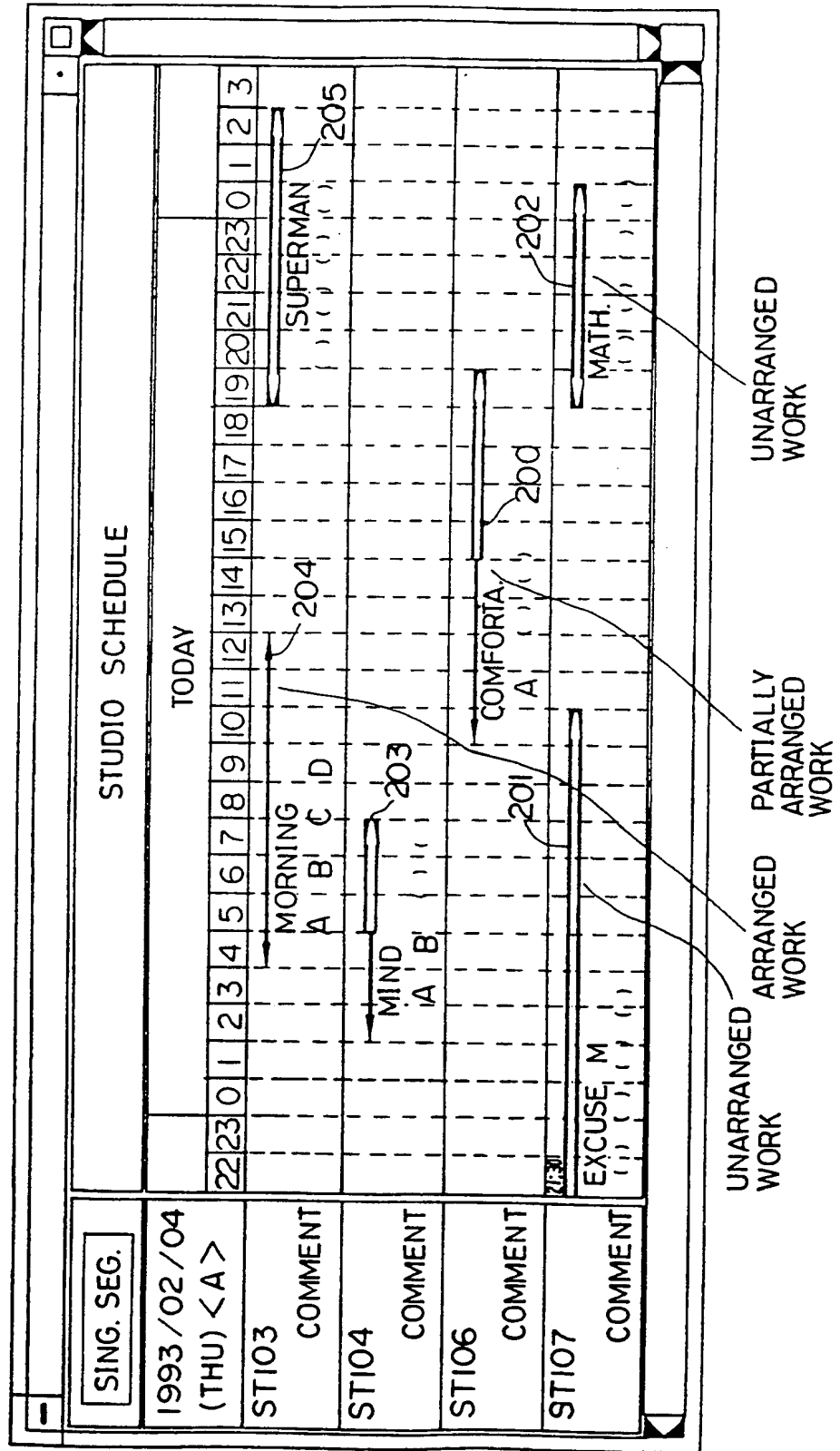


FIG. 21(a)

DEAR OLD MUSIC

FIG. 21(b)

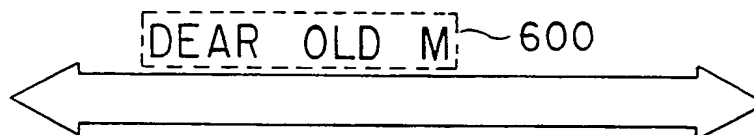


FIG. 21(c)

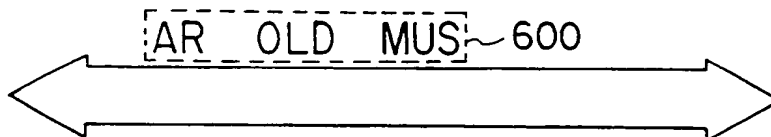


FIG. 21(d)

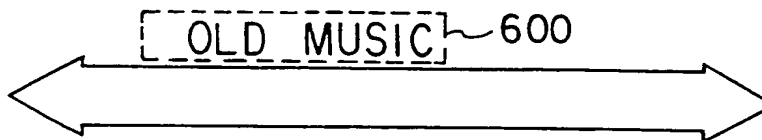


FIG. 22(a) YAMADA SUZUKI KAWAGUCH YOSHIDA

DEAR OLD M ~ 600

FIG. 22(b)

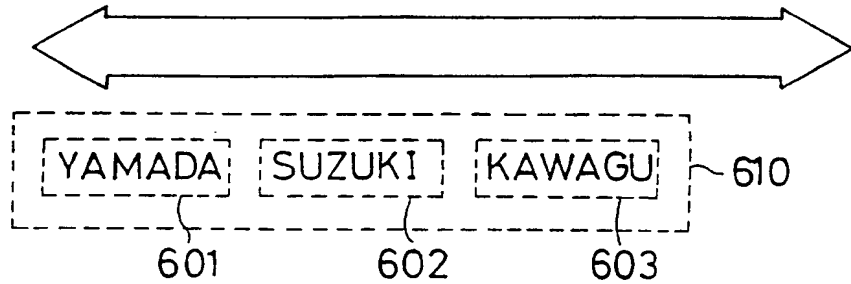


FIG. 22(c)

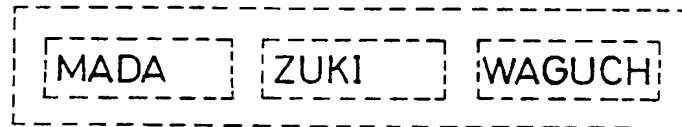


FIG. 22(d)

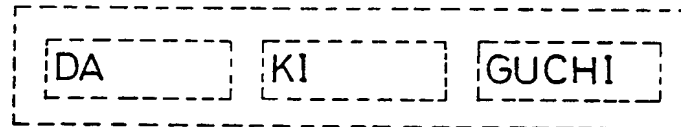


FIG. 22(e)

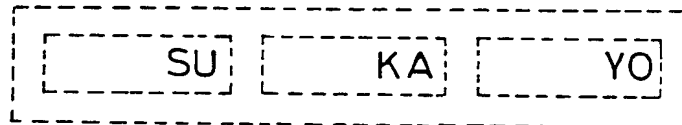


FIG. 22(f)



FIG. 22(g)

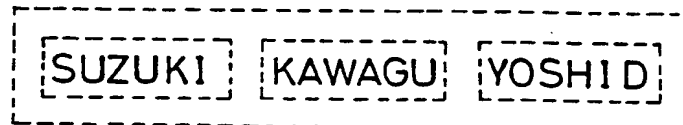
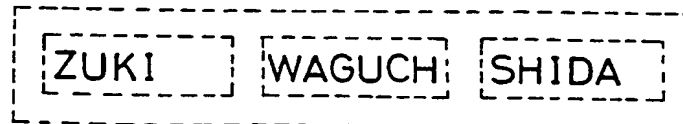


FIG. 22(h)



# FIG. 23

## MULTI-SEGMENT MOVEMENT

SEG. MOV.		WORK SCHEDULE																											
1993/04/23 (FRI) <B>		TODAY																											
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
A	COMMENT																												
B	COMMENT																												
C	COMMENT																												
D	COMMENT																												
E	COMMENT																												
F	COMMENT																												
G	COMMENT																												

FIG. 24(a)

(a) : ROW EXCHANGING

(b) : RESULT OF ROW EXCHANGE

ROW EXCH.		WORK SCHEDULE																												
1993/04/23 (FRI) <B>		TODAY																												
A		22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2
B		<div>FLY</div> <div>SERVICE</div> <div>200</div> <div>710</div>																												
C		<div>EDITOR DESK</div> <div>201</div> <div>711</div>																												

FIG. 24(b)

- . 0		WORK SCHEDULE																							X						
ROW EXCH.																															
[1993/04/23]		TODAY																													
(FRI) <B>		2	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2
A																			FLY												
B																			EDITOR DESK			201									
C																			SERVICE			200									



# FIG. 25

## WORKER CANDIDATES SELECTION

SCHEDULE	
TODAY	
01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4
ST101	
ST102	
ST111	

300

301

200

INPUT OPTION SCREEN

SEARCHING: REQUEST ±1 HOUR

GROUP NAME REG. TIME END TIME WORK

PREV. MENU

GROUP A AKIYAMA 10:00 18:30

GROUP A YAMADA 10:00 18:30

PREP

NXT.B

25/35  
FIG. 26

WORK ENTRY  
(CONTINUOUS WORK ENTRY FOR 4 WORKERS)

210

300

WK. ENT.		W	
1993/04/23		223 0	
(FRI) <B>			
A			
B			
C			
D			
E			
F			
G			
H			

211

212

WORK DETAIL SCREEN

EXT. ORG. ☐ PRG./WK ☐ PC ☐

SUB TITLE

RESOURCE ☐ WP ☐

DATE 1993/04/23 00 00 CAMERA ☐

1993/04/23 24 00 TOPICS RES. ☐

COORDI- G 000 STAGE NO ☐ NO-VOICE ID ☐ LIVE ID ☐

NATE ☐

TOPICS ☐ PD MARK ☐

COMM. ☐

WK.COMM. ☐ LC.TM. NO ☐

DEST.

PREP. REHSL. ACT. STRK. END. CAN. ASS. TIME

V ☐ GROUP 62 ☐

62 No. OF PSN. 04 ☐

26/35

FIG. 27

CONTINUOUS WORK EDITING  
"MASUI MAINT." IS KEPT IN "WK. COMM."  
FOR NEXT SCREEN AFTER ENTRY OF  
"WK. COMM."

230

300

WK. ENT.

1993/04/ (FRI) <B>

WORK DETAIL SCREEN

EXT. ORG. ☐ PRG./WK 08 STAY

SUB TITLE

RESOURCE ☐ WP ☐

DATE 1993/04/23 00 00 CAMERA

1993/04/23 24 00 TOPICS RES. ☐

COORDI- NATE G 000 STAGE NO ☐ NO-VOICE ID ☐ LIVE ID ☐

TOPICS COMM. PD MARK ☐ WK. CO

WK. COMM. MASUI MAINT. LC.TM.NO 01

DEST. CORR. COST

PREP. REHSL. ACT. STRK. END. CAN. ASS. TIME

V GROUP 62 WKR.OP

62 No. OF PSN 01

A	
B	
C	
D	
E	
F	
G	15 30
H	



FIG. 29

LOG-IN PANEL

ENTER YOUR LOG-IN NAME AND PASSWORD.

LOG-IN NAME

PASSWORD

FIG. 30

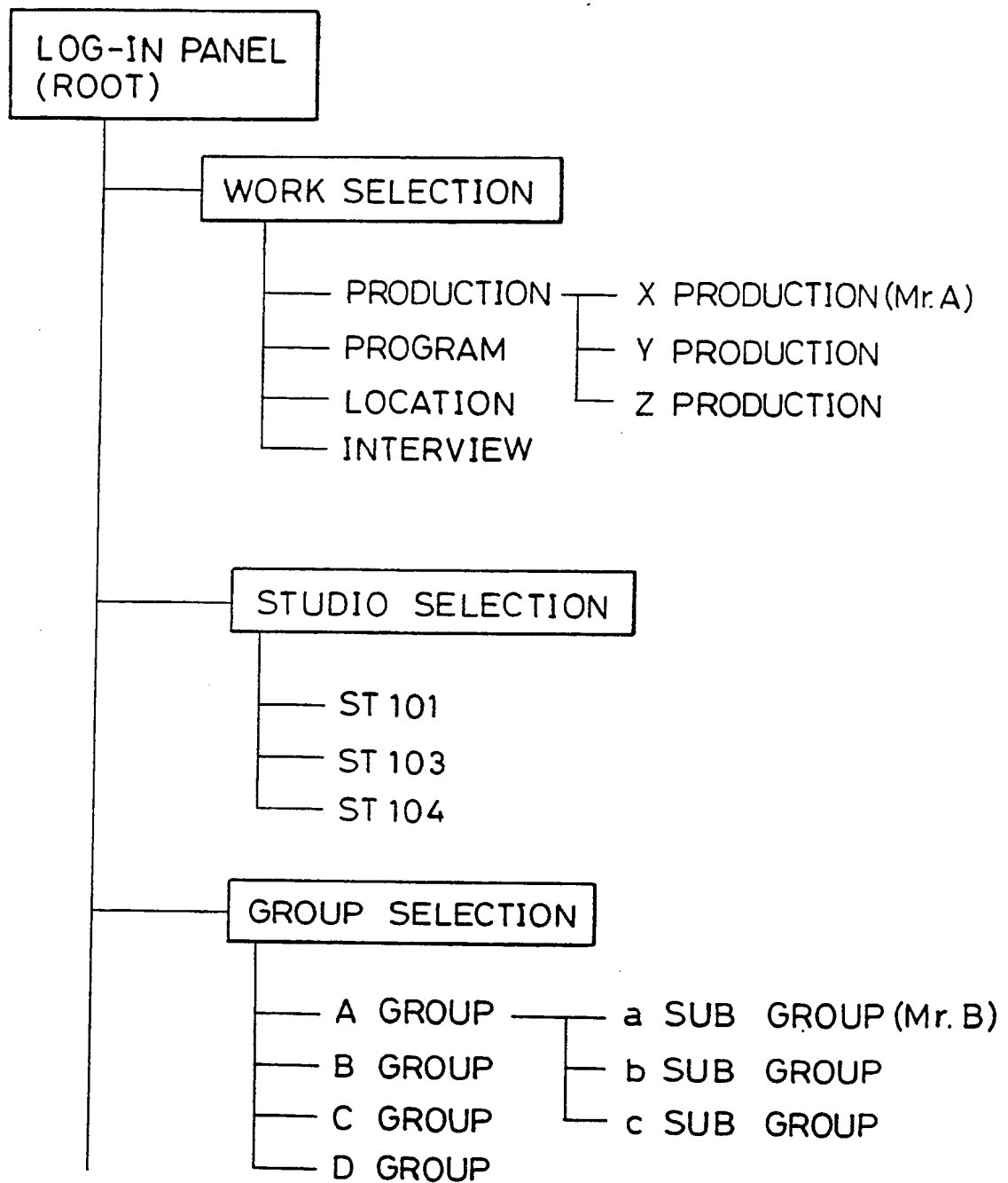


FIG. 31(a)

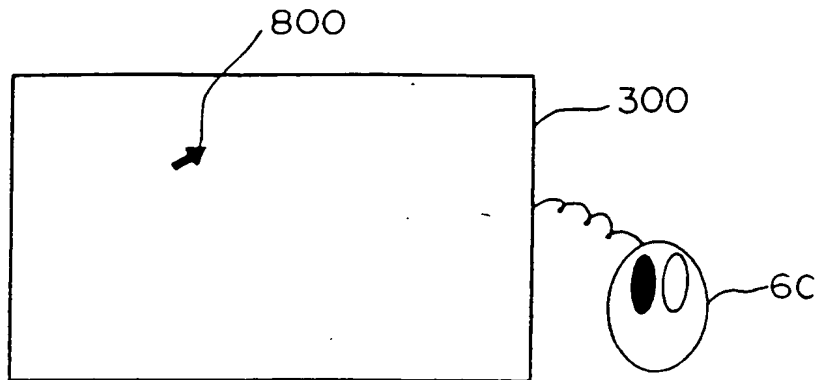


FIG. 31(b)

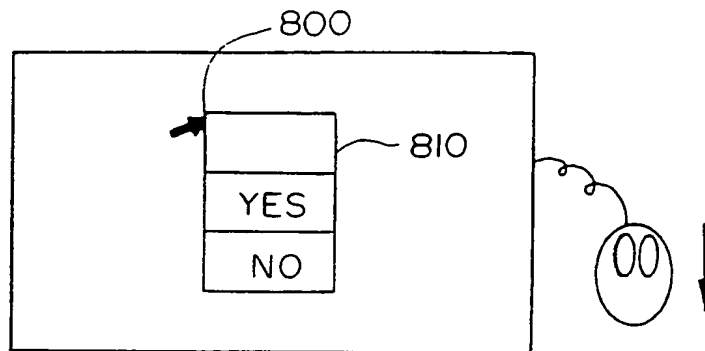


FIG. 31(c)

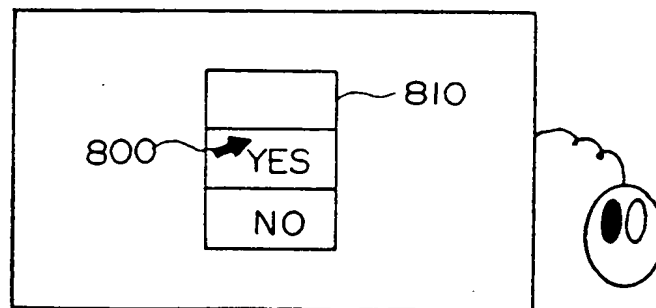


FIG. 31(d)

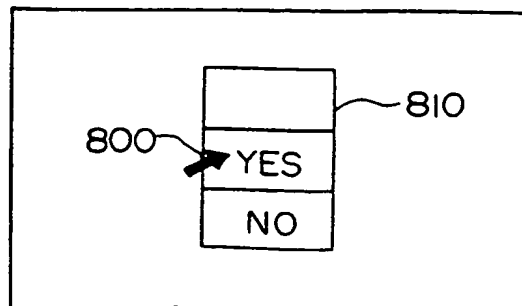


FIG. 32

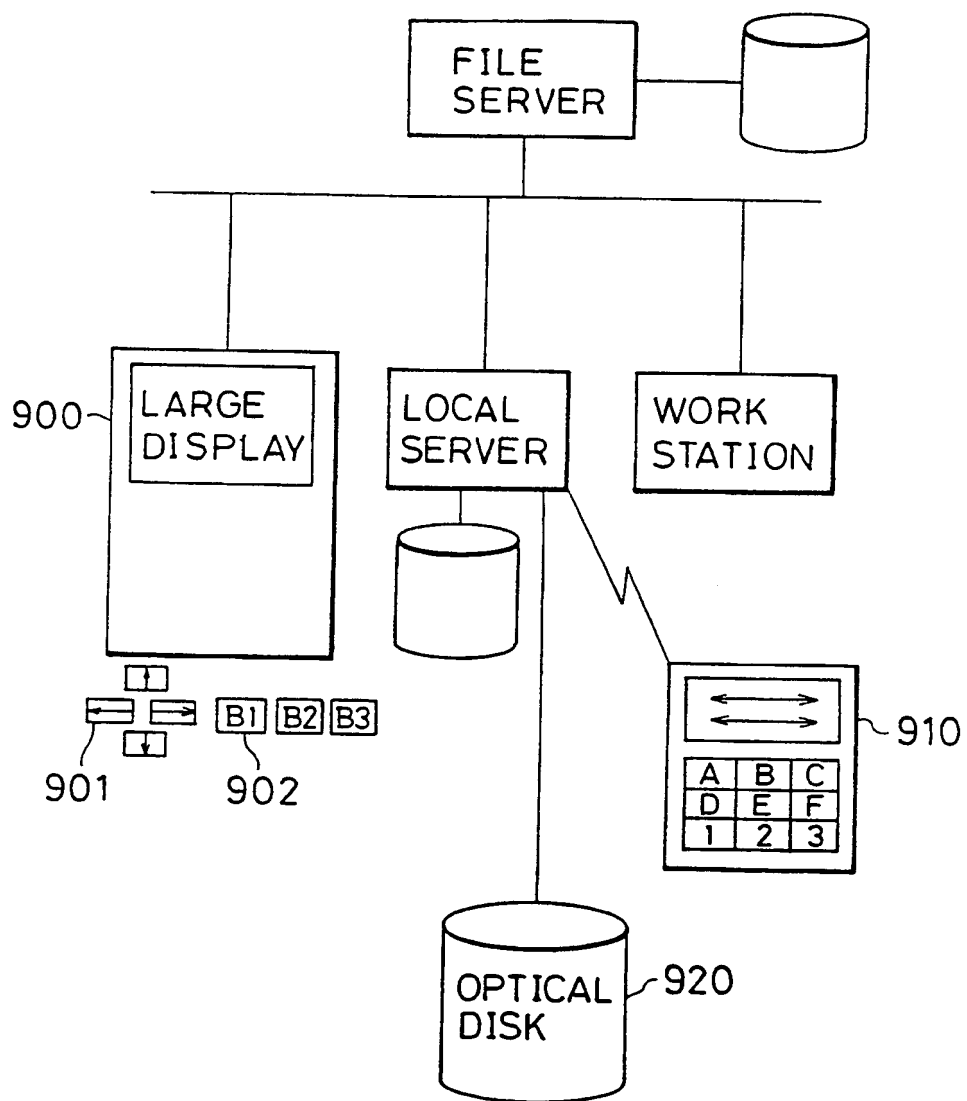




FIG. 33

37" LARGE DISPLAY IS OPERATED BY FOOT MOUSE.  
THE DISPLAY SHOWS ONE WEEK SCHEDULE PER PERSON.

YAMADA	0	12	24
1992/12/10(WED)A		↔	
1992/12/11(THU)A			
1992/12/12(FRI)A		↔	
1992/12/13(SAT)A	↔		
1992/12/14(SUN)B	↔		
1992/12/15(MON)B		↔	
1992/12/16(TUE)B		↔	

37 INCH DISPLAY

FIG. 34

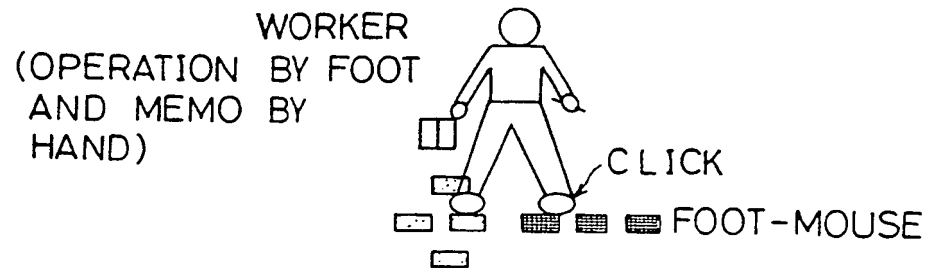
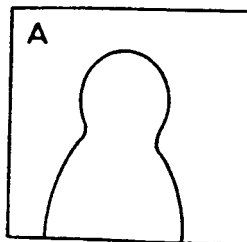


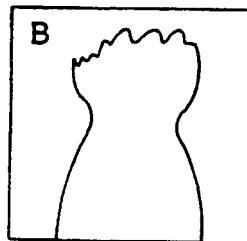
FIG. 35

950

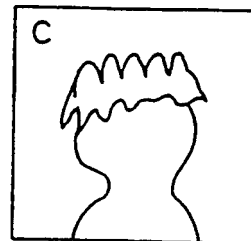
CANDIDATES TABLE			
A	MALE	40 YEARS OLD	-----
B	MALE	20 YEARS OLD	-----
C	FEMALE	35 YEARS OLD	-----
D	MALE	20 YEARS OLD	-----
E	FEMALE	32 YEARS OLD	-----



951



952



953

FIG. 36

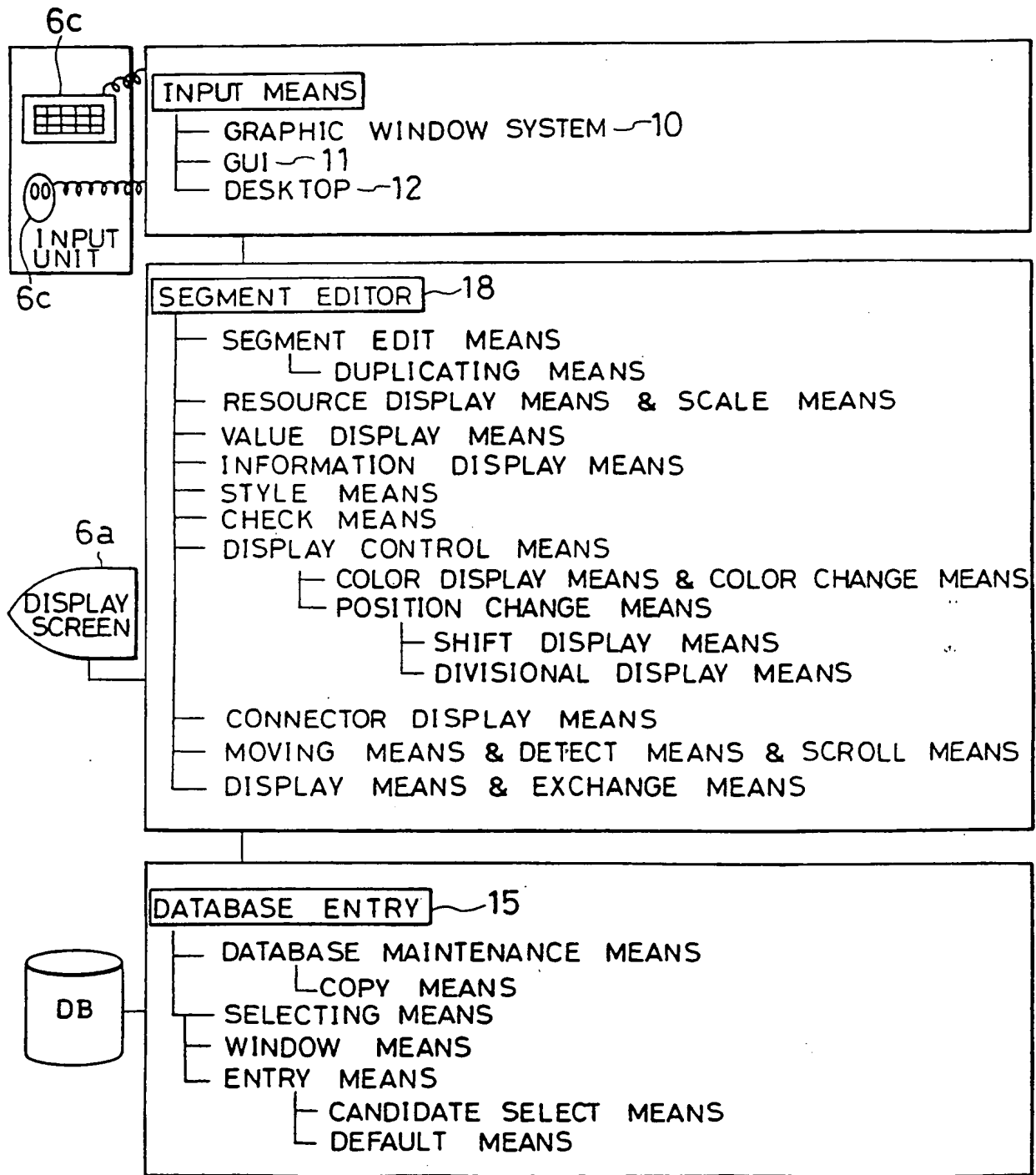


FIG. 37(a)  
RELATED ART

301

SCHEDULE CHART

NO.	ITEM NAME	SCHEDULE						REFE- RENCE
		90/04		05		06		
1	ITEM							

FIG. 37(b)  
RELATED ART

SCHEDULE CHART						
NO.	ITEM NAME	S 05/10 E			REFERENCE	
		90/04	05	06		
1	ITEM					

FIG. 37(c)  
RELATED ART

SCHEDULE CHART						
NO.	ITEM NAME	SCHEDULE			REFERENCE	
		90/04	05	06		
1	ITEM					